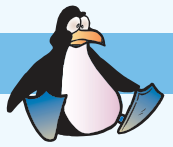
NA 2

Mental addition strategies

Maths Builder Online Reference: **Addition and Subtraction 3:NA02**



Try these short cuts.

1 Using combinations that make 10

a $3 + 6 + 4 + 7 + 5 =$ ____ (10)

b $5 + 2 + 5 + 8 + 1 =$ ____

c $6 + 4 + 3 + 8 + 2 =$ ____

d $6 + 5 + 4 + 5 + 3 =$ ____

e
5
7
2 (10)
3 (10)
+ 5
____

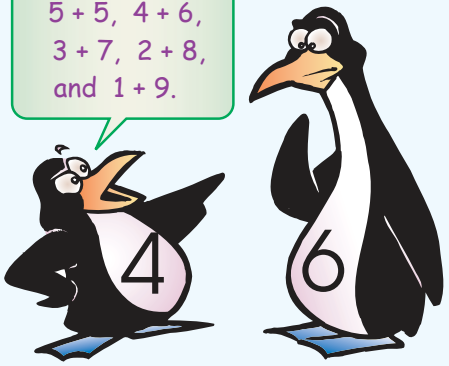
f
8
6
4
2
+ 5
____

g
1
9
2
6
+ 8
____

h
3
8
6
7
+ 2
____

i
$8
$1
$3
$2
+ $9
____

These combinations add to give 10: 5 + 5, 4 + 6, 3 + 7, 2 + 8, and 1 + 9.



2 Split strategy

a $35 + 62 = (30 + 60) + (5 + 2) = (\quad) + (\quad) =$ ____

b $84 + 13 = (80 + \quad) + (4 + \quad) =$ ____

c $61 + 28 = (\quad + \quad) + (\quad + \quad) =$ ____

3 Bridging to tens

a $78 + 5 = 78 + (2 + 3) = 80 + 3 =$ ____

b $69 + 8 = \quad + (\quad + \quad) = \quad + \quad =$ ____

c $26 + 7 = \quad + (\quad + \quad) = \quad + \quad =$ ____

Try doing these in your head.

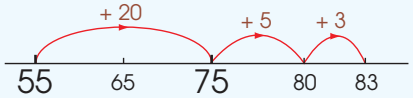
d $25 + 7$ ____ **e** $38 + 4$ ____ **f** $27 + 8$ ____

4 Bridging with higher numbers

a $28 + 15 = 28 + 10 + 5 = 38 + (2 + 3) = 40 + 3 =$ ____

b $34 + 18 = 34 + 10 + 8 = 44 + (6 + 2) = \quad + \quad =$ ____

c



$55 + 28 =$ ____

Try doing these in your head.

d $43 + 19$ ____ **e** $64 + 17$ ____ **f** $55 + 27$ ____

5

Use arrows to link the tens.

Tally the tens.

a	b
3	3
1	4
1	1
6	7
4	8
2	9
9	1
5	6
0	5
5	6
7	5
2	3
8	2
7	7
4	4
2	2
5	8
5	1
1	3
2	1
6	4
+ 3	+ 2
____	____

Tens tally

a	b

ACMNA055 (Y3 Number and Place Value /S2 Addition and subtraction 1) See also Maths Builder **Addition and Subtraction 3:NA02C** Addition and subtraction strategies.

Maths Builder Year 3
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